and the greater the Exceſs of the Moon's apparent Diameter above that of the Sun; as alſo the greater the apparent Altitude of the Sun is above the Horizon; the higher the Cauſe which produces the Crown muſt be, above the Surface of the Earth. And the Poſition, upon the Moon's Disk, in reference to the Zenith, of the Points of Contact, where the Sun diſappears, or begins to ſhew itſelf again, is here alſo of ſome conſideration. As to the accurate Calculation, it ſhall be given in another place.

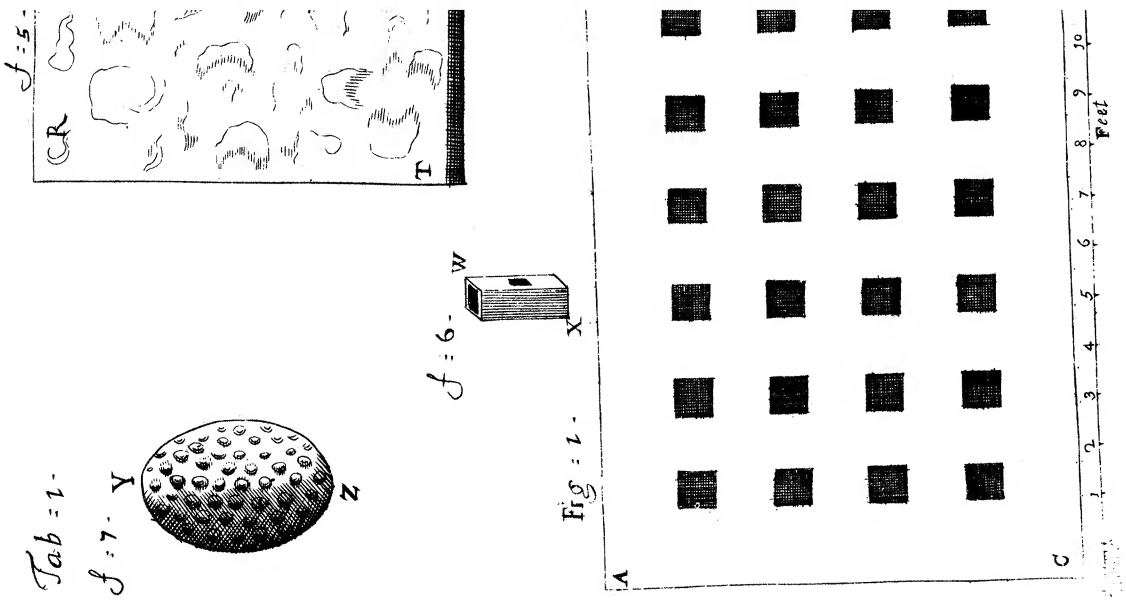
VII. *Pars Epiſtolæ á Cl. D.* Joh. Jac. Scheuchzer, *M. D.* Tigur. *& Societat. Reg.* Lond. *Soc. ad D.* Jacobum Petiver, *dictæ Societ. Soc. de Eclipſi Solis totali Die* 12°. Maij Tiguri *obſervatâ.*

ILluſtri Societati indica, habuiſſe nos die 12°. *Maij* Eclipſin Solis totalem ſimul & annularem; totalem, quoniam Sol integer á Lunâ fuit obtectus; annularem autem non propriè ita dictam, ſed per Refractionem, quandoquidem circa Lunam fulgor apparuit rutilans, á radiis per Atmoſphæram Lunæ refractis ortus. *Vide Tab.* 2.

Initium Eclipſeos fuit mane horâ	8.	54'.
Medium horâ	9.	58'.
Finis horâ	11.	12'.
Mora mediæ & plenæ obſcurationis		4'.

Quâ viſæ fuerunt Stellæ tam fixæ, quàm erraticæ; ad nidos ſuos ſeſe receperunt Aves; prodiêre é latebris ſuis Veſpertiliones, & Aquæ innatârunt Piſces: Nos autem experti ſumus ſenſum frigoris manifeſtum; & in Plantas decidit Ros.

Tiguri d. 21. *Maij*, 1706. VIII. *An-*



Tab : 1 .

Tab : 2

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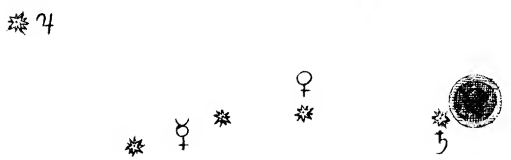

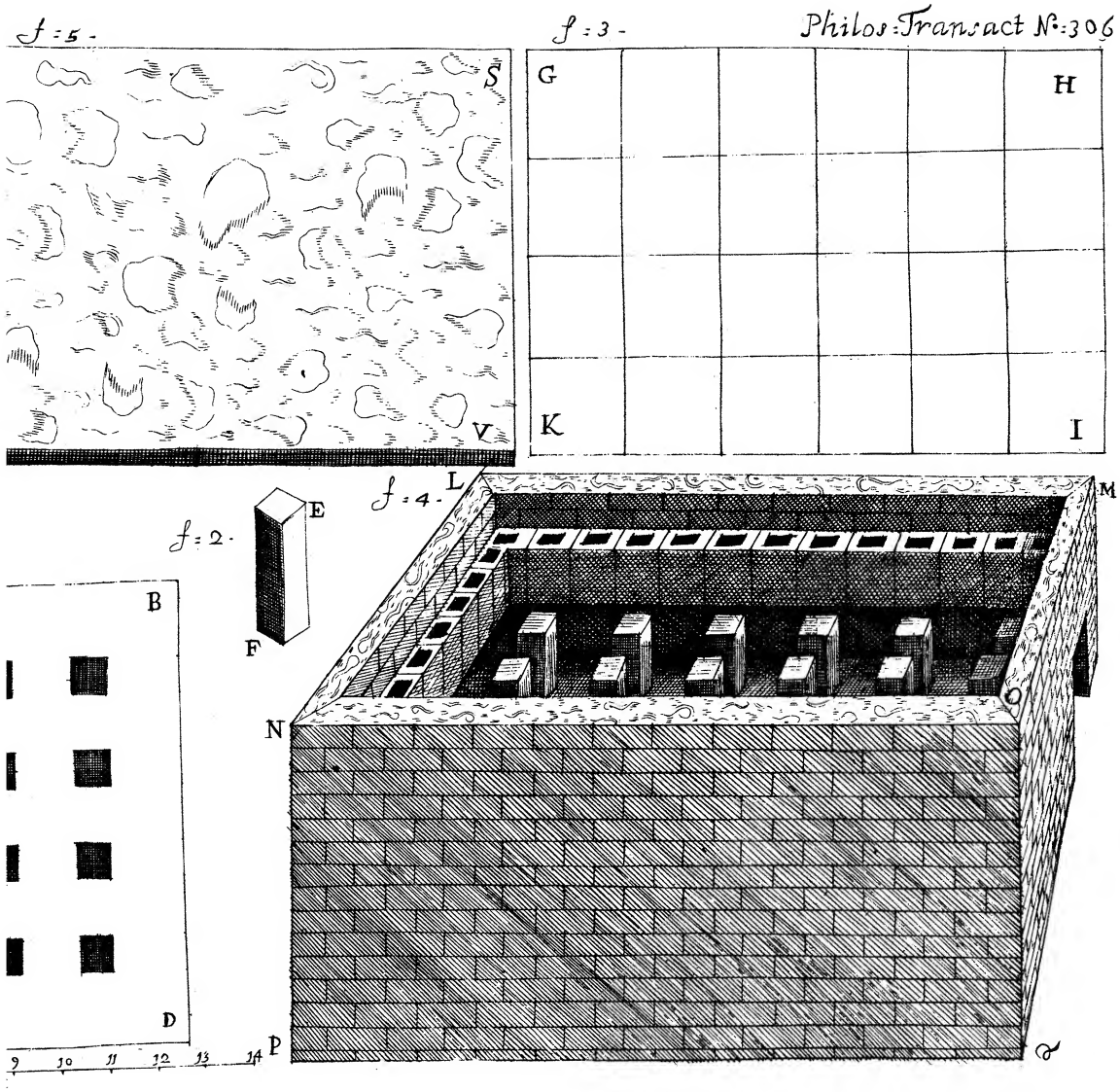

Philos: Transact N°: 306

Tab. 1

Fig. 7

Y

Z

Fig. 8

W

X

Fig. 1

A

B

C

D

Fig. 2

E

F

Fig. 4

L

M

N

O

Fig. 3

G

H

K

I

Fig. 5

S

T

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Tab. 2

Phil. Tr. N° 306